

## Product datasheet for **MC203034**

### Agxt (NM\_016702) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Agxt (NM_016702) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Agxt
Synonyms:	AGT; Agt1; Agxt1; SPT
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC025799 CGCAGAGTAGCTGGGAAATGTTCCGGATGTTGGCCAAGGCCAGTGTGACGCTGGGCTCCAGAGCGGCAG GTTGGGTCGGACCATGGGCTCGTATCAGCTGCTGGTGCCACCGCCAGAGGCCCTGAGCAAGCCCCTGTC AGTTCCTACGAGGCTCCTGTTGGGTCGGGGCCCTCCAACCTGGCTCCCGTGTGCTGGCGGCGGAAGT CTGAGAATGATTGGCCACATGCAAAAAGAGATGCTTCAGATCATGGAGGAGATCAAGCAAGGCATCCAGT ATGTGTTCCAGACCAGGAACCCCTCACACTGGTTGTCAGCGGTTCAGGGCACTGCGCCATGGAGACTGC CCTGTTCAACCTCCTAGAGCCTGGGGACTCCTTTCTAACCGGAACCAATGGCATCTGGGGAATGCGGGCT GCAGAGATTGCTGATCGCATTGGAGCCCGTGTGCACCAGATGATCAAGAAGCCTGGAGAACATTATACAC TGCAGGAGGTGGAGGAGGGCCTGGCCAAACACAAACCGGTATTGCTGTTCTGGTCCACGGGGAGTCATC CACTGGCGTGGTGCAGCCCTGGATGGTTTTGGGGAGCTCTGCCATAGGTACCAGTGCCTACTCCTGGTG GACTCAGTGGCATCCCTGGGCGGGTTCCTATCTACATGGACCAACAAGGCATTGACATCATGTACTCTA GCTCTCAGAAGGTCTGAATGCCCCACAGGGATCTCCCTCATCTCCTTCAACGACAAGGCCAAATACAA GGTCTACTCCCGAAGACAAAGCCAGTCTCCTTCTACACAGACATCACATACTTGGCCAAATTTGGGGGA TGTGAGGGCGAGACCAGAGTAATTCATCATACACACCTGTCACCAGCTTATACTGCCTGAGGGAGAGCC TGGCACTCATTGCAGAGCAGGGCCTGGAGAATTGCTGGCGGCGTCACAGGGAGGCTACAGCACATCTGCA CAAACACCTGCAGGAGATGGGCTTAAAGTTCCTTGTGAAGGATCCGGAATCCGGCTACCCACAATCACC ACCGTGACTGTGCCTGCCGGCTACAACCTGGAGGGACATCGTCAGCTATGTGCTGGACCACTTCAGCATTG AAATCTCTGGGGTCTTGGGCCACTGAGGAGAGGGTGTACGGATTGGCCTCCTGGGCTACAACGCCAC CACTGAGAATGTGACCCTGTGGCCGAGGCCCTGAGGGAGGCCCTGCAGCATTGTCCTAAGAACAAGTTG TGAGCATCCTCTACCAGACTATGCCCTCCTGGAGGGGCTGGGAATATAGCAAGAACGAAAAGACTGTGC AAGGCCTAGAGCCAGCAAAGATGCTGATGTAGCCAGGCCATGCCGGAAGGAGCAGGGTGAAGCTTCCCT CTCCCTACAAATGGAACCTTGTGAAAACAGGATGCTAAACACCTTCTGATGGAGCTGTTGCCTGCAGGCC ACTGGTCTTGGGAATTTCAATAAAGTGCTTGCAGGAATCTCCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_016702



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<b>Insert Size:</b>	1245 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">BC025799</a> , <a href="#">AAH25799</a>
<b>RefSeq Size:</b>	1547 bp
<b>RefSeq ORF:</b>	1245 bp
<b>Locus ID:</b>	11611
<b>UniProt ID:</b>	<a href="#">O35423</a>
<b>Cytogenetics:</b>	1 47.0 cM
<b>Gene Summary:</b>	<p>Dual metabolic roles of gluconeogenesis (in the mitochondria) and glyoxylate detoxification (in the peroxisomes).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) includes an upstream AUG start codon (uAUG) and a downstream AUG start codon (dAUG). Isoform 1 precursor is encoded from the CDS with the uAUG start codon. The mature peptide is located in mitochondrion but the sequence is identical to the peroxisomal enzyme (isoform 2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>